

CUT 5.0.0 Software Release Note

7 June 2024

Ref. TTS-CUT-SRN-021 Issue 1.0

Document Signature Table

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Document Status Sheet

Issue	Date	Details
1.0	07/06/2024	First release

Document Change Record

Issue	Reason for Change	Involved Paragraph	Details
1.0	First issue	All	

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1. Introduction

This document describes the software release of CUT 5.0.0, contained in the "CUT 5.0.0.exe" file.

2. Applicable and Reference Documents

2.1.1 Reference Documents

Ref	Document title	Identifier
[R1]	Mission and User Requests Management (MURM) Software Requirements Document	OSME-USMP-SEDA-RS-07-1341 Iss. 1.9
[R2]	CryoSat-2 MURM and CUT Test Specification Document	OSME-USMP-SEDA-TP-08-1635 Iss, 1.9
[R3]	CUT Software Administrator and Operator Manual	TTS-CUT-SAOM-001 Iss. 1.3

3. Baseline

The software is tested and released for Windows XP, Vista and Windows 7, 8, 10.

The baseline is detailed in the following table:

Item Description	Applicable Version
Operating System	Windows XP Windows Vista Windows 7 Windows 8 Windows 10 Windows 11
Any additional COTS	DirectX 9.0c (updated to at least 06/2010) Microsoft .NET Framework 4.5 Microsoft Visual C++ 2013 Redistributable Package (x86)
Programming Language Compiler	C#

3.1 Commercial off-the-shelf Products

Vendor	Codejock Software
Name	Codejock SuiteProActiveX
Version	15.3.1
License	Proprietary/Commercial

Vendor	GDAL
Name	Gdal/OGR
Version	2.2.0
License	Open Source MIT

Vendor	FreeImage
Name	FreeImage Library
Version	3.17.0
License	Open Source GPL

Vendor	Xerces
Name	Xerces-C++
Version	3.1.1
License	Open Source Apache

Vendor	Xalan
Name	Xalan-C++
Version	1.11.0
License	Open Source Apache

4. Version Description

4.1 Inventory of Software Released

CUT is released in a single file "CUT 5.0.0.exe", an InstallShield compressed executable that installs automatically all the required elements and configurations through an embedded installation wizard requiring minimum user interaction.

4.2 Installing CUT 5.0.0

Note: This installation procedure requires administrator privileges and that all the latest updates of the operative system are installed on the machine.

As a precaution (not strictly necessary), if there is an existing version of CUT, uninstall it using the following command:

- Start -> All Programs -> Taitus Software -> CUT-> Uninstall CUT

and delete the following folder (if it still exists):

- C:\Program Files\Taitus Software\CUT

If you have a version of CUT older than 2.0.0 installed, the configuration files are not compatible and the following folder should be deleted:

- On Windows 7 or later:
 - C:\Users\\AppData\Roaming\Taitus Software\CUT
- On Windows XP:
 - C:\Documents and Settings\\Application Data\Taitus Software\CUT

Download the installation package and double-click on the new file and follow the instructions.

5. Changes Introduced by the New Release

This section provides the list of CR's/NCR's covered with the release.

5.1 List of CR's delivered with CUT 5.0.0

CR#	Short Description	Delivered with version	Comments

5.2 List of NCR's fixed with CUT 5.0.0

NCR#	Short Description	Closed with version	Comments
Internal NCR 1	Improve ROEF performance	5.0.0	
Internal NCR 2	Support SFTP connections	5.0.0	
Internal NCR 3	CUT compatible with Windows 11	5.0.0	

5.3 List of Open NCR for CUT 5.0.0

NCR#	Short Description	Comments

6. Factory Acceptance Test Report

A series of ad-hoc interactive tests was done to validate all NCRs and CRs.

6.1 Internal NCR 1: Improve ROEF performance

6.1.1 Description

CUT was very slow when the application was launched (around 5 minutes), and this is because the size of the ROEF file has grown over the years and the management. To improve the performance of loading ROEF, improvements have been made in the management of access to this file.

6.1.2 Testing

Start CUT and verify that CUT now starts in less than 30 seconds. Connect to a science-pds.cryosat.esa.int server, navigate to SIR_SAR_FR folder, select the 2023 folder, and then select the 01 folder. Verify that products are properly displayed on the map.

6.1.3 Test Result

Passed

6.2 Internal NCR 2: Support SFTP connections

6.2.1 Description

CUT was not able to support FTP connection with different encryption methods.

6.2.2 Testing

Start CUT and create a new server in the FTP site manager dialog. Use *192.71.157.172* for server value, *ground* for username, *990* for port, *passive* for transfer mode value, and *implicit* for encryption, then click on connect and verify that CUT was connected to the FTP server.

6.2.3 Test Result

Passed

6.3 *Internal NCR 3: CUT compatible with Windows 11*

6.3.1 Description

CUT must also be Windows 11 compatible.

6.3.2 Testing

Install "CUT 5.0.0.exe" on a Windows 11 machine and verify that it runs correctly.

6.3.3 Test Result

Passed